

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/081564 A1

(51) International Patent Classification⁷: **H04Q 7/32**,
H04B 1/16

(21) International Application Number:
PCT/FI2005/000114

(22) International Filing Date: 24 February 2005 (24.02.2005)

(25) Filing Language: Finnish

(26) Publication Language: English

(30) Priority Data:
20040288 25 February 2004 (25.02.2004) FI

(71) Applicant (for all designated States except US): **PAN-
COMP ELECTRONICS OY** [FI/FI]; Teknologiantie 5
C, FI-90570 Oulu (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PÄKKILÄ, Pekka**
[FI/FI]; Jaakonkuja 1 E, FI-90230 Oulu (FI). **NIEMI-
TALO, Hannu** [FI/FI]; Haukitie 3, FI-90550 Oulu (FI).

(74) Agent: **LAURINOLLI, Tapio**; Patenttitoimisto Tapio
Laurinolli, P.O.Box 258, FI-90101 Oulu (FI).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

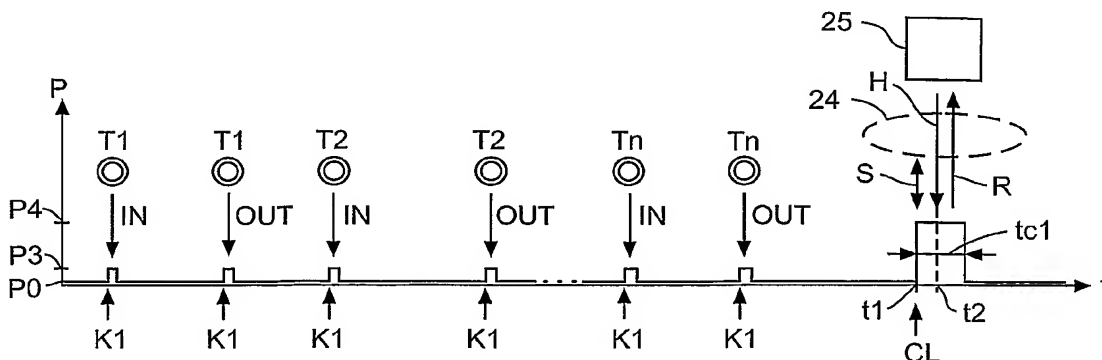
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF OPERATION OF TERMINAL DEVICE IN MOBILE SYSTEM



(57) Abstract: In a method of operation of a terminal device in a mobile system, the terminal device (Ln) is kept dominantly in a deep rest state (P0) for minimizing the current consumption and means and functions for making the terminal device to operate as a terminal device in a mobile communication network are activated (CL) for short periods (tc1) for sending (R) or receiving (H) data, and the activation and operation of the terminal device for sending and receiving data is controlled individually by control data which is sent to the terminal device via the mobile communication network (24). The centralized and at the same time individual control of the terminal devices makes it possible to apply the mobile system to many purposes. The current consumption and the communication costs may be minimized and a very high operational dependability be realized in the system.

WO 2005/081564 A1